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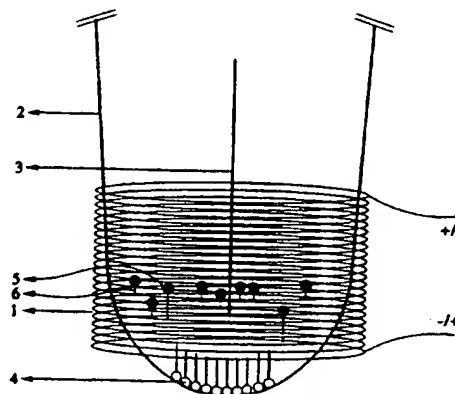
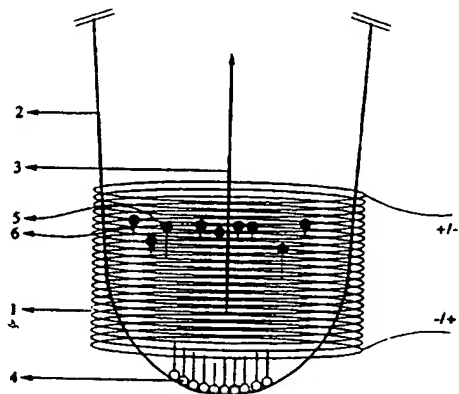
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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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| (74) Agent: NOONAN, Kevin, E.; Banner & Allegretti, Ltd., Ten South Wacker Drive, Chicago, IL 60606 (US). | | | |

(54) Title: AN APPARATUS FOR PERFORMING MAGNETIC CYCLE REACTION



(57) Abstract

The invention provides an apparatus for performing a process for amplification of specific nucleic acid sequences based upon the separation of nucleic acid strands by an electromagnetic field. This means of separation allows the use of mesophilic polymerases in the amplification process, thereby increasing the speed and fidelity of the amplification process, as well as the size of target nucleic acid that can be amplified.

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 95/16256

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 C12Q1/68 B03C1/28 B01J19/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 6 C12Q B03C B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
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| A | WO,A,91 09308 (HOLMES) 27 June 1991 see page 8, line 17 - page 9, line 28; figure 1 --- | 1 |
| A | WO,A,90 14891 (DYNAL A.S.) 13 December 1990 see figure 1 --- | 1 |
| A | WO,A,93 15224 (SCIENTIFIC GENERICS LTD.) 5 August 1993 see the whole document --- | 2-4 |
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INTERNATIONAL SEARCH REPORT

Int'l Application No
PCT/US 95/16256

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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| A | <p>WO,A,93 09250 (ADELAIDE CHILDREN'S HOSPITAL) 13 May 1993 see the whole document -----</p> | 2-4 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 95/16256

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